

★GERM=

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★RU 2061890-C1

Jet propulsion engine combustion chamber with regenerative cooling line - whose cooling channels are formed by I-section shaped inserts, and turbulising protrusions are formed on vertical wall

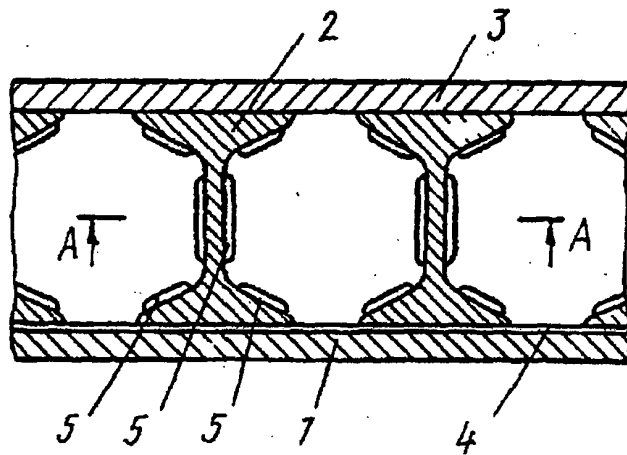
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The chamber has outer (3) and flame (1) housings with evenly positioned I-section shaped inserts (2) rigidly connected to the housings (1,3) and turbulising protrusions (4) made as wire with a diameter of 1-0.2mm, welded across the channels on the cooled surface of the housing (1). The additional turbulising protrusions are formed on the vertical wall and inserts (2) shelves. The protrusions (5) on walls and shelves are placed at given distance along the inserts length in one section. In adjacent inserts the protrusions are located on one level.

USE/ADVANTAGE - In jet propulsion engines where high intensity heat exchange is required in cooling ducts. The heat transfer efficiency is increased. (3pp Dwg.No.1/3)

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